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## 13. HABITAT IMPACTS

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**DRAFT - For Discussion Only**

**Distinguishing Characteristics**  
October 15, 1997

**E - 0 0 1 5 5 7**

E-001557

## Habitat Impacts Supporting Information

Habitat impacts from implementing each alternative will vary. This information will be available directly from the impact analysis for the EIR/EIS and will depend on the total quantity and quality of the impacted habitat for each alternative. Initial judgements were that these impacts could be beneficial or adverse. Due to the large amount of habitat restoration with the ecosystem restoration program plan in each alternative, the amount of beneficial impacts will be relatively constant between alternatives. The primary adverse impacts are from the storage and conveyance facilities but these too are relatively small, especially since all adverse impacts will be mitigated.

### Definition

At this time, "Habitat Impacts" are the adverse habitat impacts due to implementation of the storage and conveyance facilities.

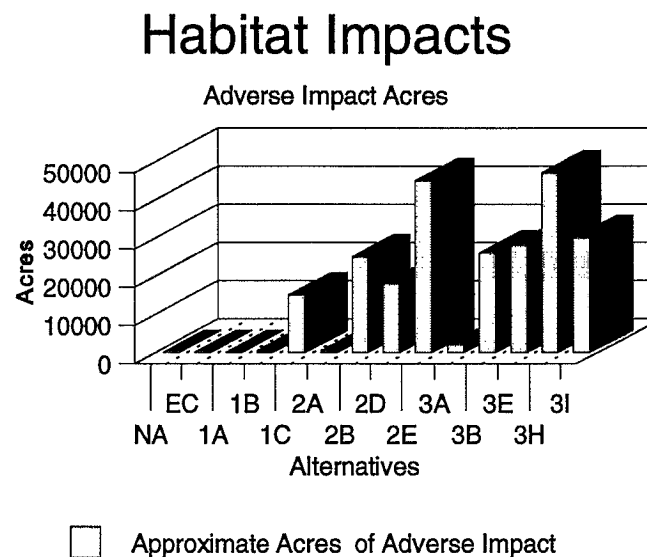
### Summary

The alternatives that minimize the adverse habitat impacts are those without significant new storage and conveyance facilities. In general, less than 40,000 acres are impacted by the storage and conveyance facilities. Therefore, alternative variations 1A and 1B have the least adverse impact.

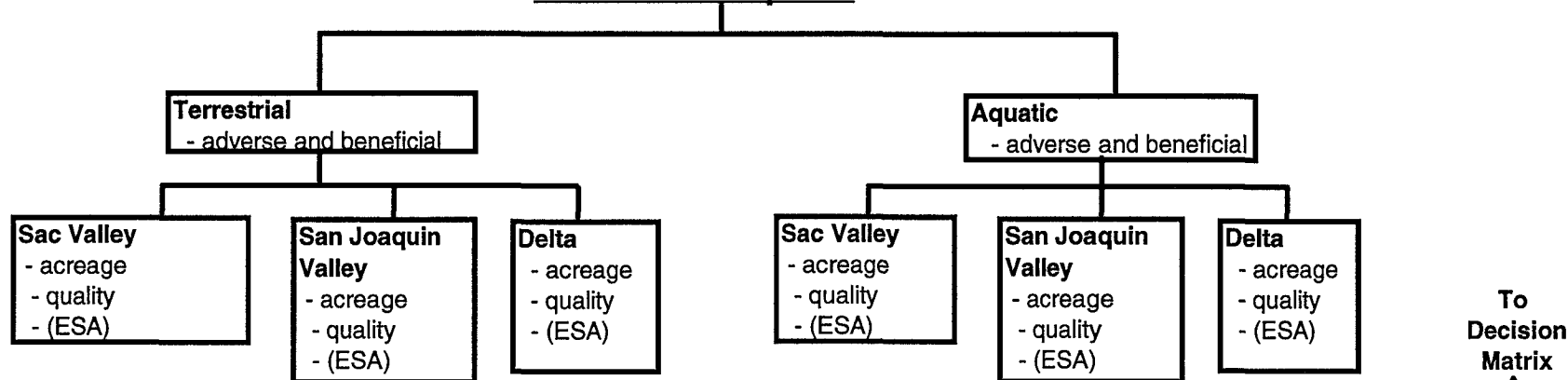
The chart at the right shows preliminary estimates of acres of habitat adversely impacted by the alternatives. Since lower impacted acres are the most desirable, Table 13.1 provides a score of "5" to the lowest impacts and a score of "0" to the highest impacts.

### Supporting Information for Table 13.1

See table 13.1.



## Habitat Impacts

**13. Habitat Impacts****Table 13.1 Summary**

	Adverse Impacts						Beneficial Impacts						Overall Score
	Terrestrial			Aquatic			Terrestrial			Aquatic			
Alternative	Acreage	Quality	ESA	Acreage	Quality	ESA	Acreage	Quality	ESA	Acreage	Quality	ESA	
Exist. Cond													5
No-action													5
1A													4
1B													4
1C													3
2A													4
2B													3
2D													3
2E													2
3A													4
3B													3
3E													3
3H													2
3I													3

Detailed numbers are not yet available. All alternatives have approximately 150,000 acres of restored habitat from the ecosystem restoration program plan so the beneficial impacts are relatively the same between alternatives. Adverse habitat impacts result primarily from construction of storage and conveyance facilities. This is generally less than 40,000 acres for most alternatives. This acreage is relatively small compared with the acreage improved by the ecosystem restoration program plan. The adverse habitat impacts from implementation of the storage and conveyance facilities will be further reduced due to mitigation.

Summarized from regions on following sheets (when more detailed information is available)

Values are on a scale from 0 to 5; with 0 representing the most adverse habitat impacts and 5 representing the least.

To  
Decision  
Matrix

E - 0 0 1 5 5 9